1. MARKET SERVICE DESCRIPTION

A. Basic Service Functions

BellSouth offers ISDN Primary Rate Interface (PRI) to business customers. ISDN PRI is a digital service which consists of a DS1-based Access Line, a primary rate interface, twenty-three 64 Kbps bearer (B) channels, and one 64 Kbps data (D) Channel for signaling. The B channels each support 64 Kbps digital transmission for voice, video and/or data. The D channel supports the out-of-band signaling for the service and packet switched data transport at 9.6 Kbps. Calling Number Delivery, Called Number Delivery and Hunting functionality are inherent to this service.

ISDN PRI (PATHLINK^{SM}) service has replaced MegaLink ISDN. MegaLink® ISDN service provides simultaneous transmission of voice and data on the same digital exchange access line. The basic rate structure consists of a 1.544 Mbps Access Line, a Primary Rate Interface, twenty-three 64 Kbps bearer channels, and one 64 Kbps D-Channel for signaling. Typically, MegaLink® ISDN is used to connect ISDN capable PBXs or other ISDN capable CPE to ISDN capable central offices.

Rate elements for this service are: Primary Rate Access Line, Interoffice Channels, Primary Rate Interface, Primary Rate B-Channels, Call-By-Call/Integrated Service Access Feature Capability, and an optional Incoming Call Identification feature. This service is located in Section B7.5 of the Private Line Service Tariff. Network Access Service as specified in Section A3 of the GSST also applies for access to the public switched network. Other services, e.g., Hunting, Direct Inward Dialing, etc., are also available at rates and charges specified in other sections of the tariff.

Current MegaLink ISDN customers are grandfathered.

B. Basic Service Capabilities

ISDN PRI service is currently available in two versions: 1)Voice/Date and 2) Digital Data Only. The Voice/Data option allows transmission of voice, digital and analog data, and video. The Digital Data Only (DDO) option allows transmission of digital data calls only. (Analog modem calls will not terminate on a DDO option.) BellSouth is currently developing an Inward Only Data option which will support inward only digital and analog data calls. When a customer's normal serving central office is not equipped to provide PRI service, the customer may be served, at BellSouth's option, from designated alternate equipped central office at no additional charge. This is referred to as Alternate Network Serving Arrangement (ANSA). ISDN PRI service customers to be served under this arrangement must sign an agreement that the service will be moved back to the normal serving central office and probably will have a number change when/if that office is equipped with ISDN.

B. Basic Service Capabilities (Cont'd)

ISDN PRI offers several optional features:

-Non-Facility Associated Signaling (NFAS) provides the capability to control multiple PRIs with a single D Channel.

-Incoming Call Extension (ICE) allows customers to retain their existing telephone numbers when ISDN PRI service is provided via a foreign central office.

-Next Route Index (NRI) allows voice or voice and data calls to be routed to another ISDN PRI service arrangement in the same switch. NRI is applicable to Digital Data Only service.

2. TARIFF REFERENCES

GSST A42.3   ISDN Primary Rate Interface (PATHLINK^{SM})
GSST A112.31   ESSX ISDN (obsolete)

3. INSTALLATION INTERVALS

Normal Installation Intervals: YES_X_ NO___
Project Coordination Required: YES_X_ NO___

4. SERVICE INQUIRY & ORDERING GUIDELINES

To order ISDN PRI, the CLEC should complete the following forms and submit them to their Account Team or the LCSC:

Local Service Request
End User Information
Resale Service - ISDN (PRI Interface Section)

BellSouth will then contact the CLEC to complete the ordering information.

5. CUSTOMER EDUCATION
Not currently available

ISDN Basic Rate Interface (Please select from one of the three following options):   _(Complete part 1,2 or 3 as appropriate)_

1) <u>Single Line ISDN:</u> _(Indicate type of service desired)_

☐   ISDN Business Service (IBS)
☐   ISDN Residence Service (IRS)

Quantity of Circuits (DSL Pipes) _____ _(Enter quantity of circuits desired)_

Available options for Single Line ISDN [Please check appropriate request(s)]: _(Check feature package desired)_

☐   Package EZ1   ☐   Package EZ2   ☐   Capability Package S
☐   Package EZ1A   ☐   Package EZ2A

If the above options do not meet your needs, please describe other Single Line ISDN option below:

☐   2) <u>Basic Rate ISDN associated with MultiServ:</u> _(Check if circuit is to be associated with MultiServ service)_

Quantity of Circuits (DSL Pipes) _____ _(Indicate quantity of circuits desired)_
                          (Note - please see also form for Resale of MultiServ Service)

☐   3) <u>Basic Rate ISDN associated with ESSX: :</u> _(Check if port is to be associated with ESSX service)_

Quantity of Circuits (DSL Pipes) _____ _(Indicate quantity of circuits desired)_
                          (Note - please see also form for Resale of ESSX Service)

ISDN Primary Rate Interface (Please select from one of the following two options):
(Indicate whether PATHLINK or MegaLink ports are desired)

☐   1) <u>PATHLINK ISDN:</u>
         Quantity of Pipes _____ _(Indicate quantity of circuits desired)_

☐   2) <u>MegaLink ISDN:</u>
         Quantity of Pipes _____ _(Indicate quantity of circuits desired)_

LIGHTGATE®

LightGate®

CLEC Information Package

Service Description

LightGate® service is offered as a premises to serving central office bulk access facility. It may be interconnected in the BellSouth central office to other BellSouth services including:

- MegaLink®,
- Voice Grade Private Line,
- Exchange Network Access, and,
- SynchroNet®

LightGate® service may also be interconnected to other LightGate® services to provide premises to premises optical connectivity.

LightGate® service is available where appropriate digital facilities can be made available as determined by BellSouth.

Channelization is provided by LightGate® 1 and 2 systems and D type channel banks which are offered in various system capacities. Individual Voice Grade channel services are encoded in these high capacity channels and may be provided as individual services again by utilizing D type Channelization systems and associated feature activation equipment. The OLEC may channelize all or part of a LightGate® service package to activate voice and data channels as well as other LightGate® services.

All LightGate® service in a package must be channelized in a single equipment location on a premises. A package cannot be split between premises or multiple locations within a premises.

LightGate® service local channels and/or interoffice channels may be used for network exchange access, analog data channels, and digital data services.

LightGate® service interoffice channels are provided as individual DS3 capacity systems

Components of The Service

The primary components of the LightGate® System can be broken down into four major groups:

- Lightguide or optic fiber cable
- Fiber optic terminals (transducers)
- DSX-3/DSX-1 multiplexer equipment
- DCS and T-carrier channel banks

The network architecture for LightGate® is built upon electrical specifications for DS3, DS1, and DS0 channels. DS3 electrical parameters are the centerpiece for this service. Electrical signals are the accepted standards upon which service can be provisioned and maintained.

LightGate® Service is structured with two system capacities for IntraLATA service:

- **LightGate®** 1 provides a single DS3 local channel or up to twenty-eight integrated DS1 channel interfaces.

- **LightGate®** 2 - provides up to three DS3 local channels or up to eighty-four integrated DS1 channel interfaces.

System size	Speed/ Capacity	DS3 Equivalent	DS1 Equivalent	DS0 Equivalent
*LGS1	45 Mbps	1	28 X DS1	672
*LGS2	135 Mbps	3	84 X DS1	2016

A customer is expected to subscribe to one of these basic packages and then tailor the system to meet the specific need by ordering DS3 or DS1 interfaces and Channelization.

Channelization via plug-ins provides the same capability offered to derive individual analog and digital channels in MegaLink® Channel Service (MLCS). Like MLCS, LGS architecture is modular because it is provided on a link (partial channel), which is connectable to other services.

*LGS = LightGate System

LightGate® 1 System (one DS3 channel) provides a basic 44.736 Mbps data rate capacity. Each output DS1 channel can support a digroup (D4-type channel bank) to transport 24 DS0 channels. A LightGate® system can support a total of 672 channels.

LightGate® 2 System (three DS3 channels) offers three times the capacity of a LightGate® 1 system by providing 3 DS3 electrical channels. DS3 and DS1 channels can be provided at the same time. A DS3/DS1 multiplexer makes the DS1 rate possible. Each output DS1 can support 24 DS0 channels, for a total of 2,016 voice grade channels that may be provided in a LightGate® 2 system.

LightGate® Interoffice Channel Systems

LightGate® Interoffice Channel systems are only provided in combination of LightGate® System 1 (1-DS3) channel between BellSouth central offices. These systems are used to extend the LightGate® service local channels to other central offices or to be provided on a stand-alone basis when connected to FlexServ® service, SMARTRing® service, and hubbing applications at voice grade service levels when not directly connected to LightGate® service local channels.

Tariff Reference

LightGate® Service is available in all BellSouth service areas except North Carolina and South Carolina.
The LightGate® Service Tariff is located in section B7 of each of the other State Private Line Service Tariffs.

Installation Intervals

Normal Installation intervals   **NO**
Project Coordination Required   **YES**

Service Inquiry and Ordering Guidelines

All initial or subsequent order activity on LightGate® Service will be negotiated by the OLEC Account Team.

Customer Education

There is no formal training for LightGate® Service. However, if appropriate,
Customer education will be coordinated and/or administered through the Local
Carrier Service Center (LCSC) or the appropriate Account Team.

LOCAL EXCHANGE BUSINESS LINE
FLAT RATE BASIC
MESSAGE/MEASURED RATE

1. Service Description

A. Basic Service features

Flat Rate Basic Local Exchange Service for business customers provides access to the public switched network for local and long distance calling. Flat rate service is unmeasured, allowing the subscriber to make an unlimited number of calls within the local calling area at a fixed monthly rate.

B. Basic Service Capabilities and Restrictions

The service is comprised of the exchange access line, which includes the central office equipment and all the BellSouth plant facilities up to and including the Standard Network Interface. The exchange access line facilities are BellSouth provided and maintained.

C. How Does This Service Work

This service provides basic dial tone for business customers.

D. Feature Interaction

None.

2. Tariff References/Price List References

Basic Local Exchange Business Service can be found in Section A3 of the BellSouth Telecommunications, Inc. General Subscriber Services Tariff (GSST) in each of the nine states served by BellSouth.

3. Installation Intervals

Normal Installation Intervals YES_X_ NO___
Project Coordination Required YES___ NO_X_

4. Service Inquiry & Ordering Guidelines

A. Information required

No service inquiry required.

B. Source of Information

CLEC will fax a Local Service Request form (LSR) to the LCSC for processing

C. Forms

Local Service Request form (LSR)

5. Customer Education

A. Availability of Material
Informational material not required.

B. Training Availability
Training not required.

C. Costs
Not applicable.

D. How To Order
Not applicable.

Message/Measured Rate Basic Local Exchange Business Line
CLEC Information Package

1. Service Description

A. Basic Service features
Message/Measured Rate Basic Local Exchange Service for business customers provides access to the public switched network for local and long distance calling. Message Rate Service bills the customer a flat monthly charge for a set number of local calls or messages per line with an additional charge for every local message in excess of the base allowance. Measured Rate Service bills the subscriber a flat monthly rate which includes a monetary usage allowance for calls completed to stations in the local calling area. Charges for local calls in excess of the allowance are also applicable and are based upon length of call, originating and terminating point of call, and time of day call made. Message/Measured Rate Service is typically offered as part of an optional calling plan.

B. Basic Service Capabilities and Restrictions
The service is comprised of the exchange access line, which includes the central office equipment and all the BellSouth plant facilities up to and including the Standard Network Interface. The exchange access line facilities are BellSouth provided and maintained.

C. How Does This Service Work
This service provides basic dial tone for business customers.

D. Feature Interaction
None.

2. Tariff References/Price List References

Basic Local Exchange Business Service can be found in Section A3 of the BellSouth Telecommunications, Inc. General Subscriber Services Tariff (GSST) in each of the nine states served by BellSouth.

3. Installation Intervals

Normal Installation Intervals YES_X_ NO___
Project Coordination Required YES___ NO_X_

4. Service Inquiry & Ordering Guidelines

A. Information required
No service inquiry required.

B. Source of Information
CLEC will fax a Local Service Request form (LSR) to the LCSC for processing

C. Forms
Local Service Request form (LSR)

5. Customer Education

A. Availability of Material
Informational material not required.

B. Training Availability
Training not required.

C. Costs
Not applicable.

D. How To Order
Not applicable.

LOCAL EXCHANGE RESIDENCE LINE
FLAT RATE BASIC
MESSAGE/MEASURED RATE

RESIDENCE BASIC LOCAL EXCHANGE SERVICE
CLEC INFORMATIONAL PACKAGE

I. Service Description

A. Basic Service Features

Residence Basic Local Exchange service is general telephone service provided to customers at a specified "flat" monthly rate, regardless of the number or length of calls placed within a defined local calling area. An exception to this is North Carolina, where Basic Local Exchange service also includes a 40 mile expanded local calling area. Charges for calls placed to this expanded area are based on the call's duration. In some states residence subscribers are limited in the number of lines allowed per location before qualifying as a business.

B. Basic Service Capabilities

Flat Rate Basic Local Exchange service provides dialtone access for both local and long distance calling. In some areas, local service also includes access to per use features, e.g., Call Return, Repeat Dialing, Three Way Calling and Call Tracing. When included in local service, access to these features are provided at no additional charge; however, usage of these features generate an incremental charge; therefire, the CLEC may elect to have these features blocked at the time of sale.

2. Tariff References/Price List References

A. Tariff Reference

Basic Local Exchange service is located in Section A3 of the General Subscriber Service Tariff (GSST).

B. Pricing Structure and Description

- Non-recurring charge (NRC): Service charges specified in Section A4 of the GSST are applicable for the installation of new lines at the subscriber's premises.
- Recurring Charge: The subscriber pays a flat monthly amount, as specified in Section A3 of the GSST, for unlimited calling to points within the subscriber's basic local calling area. The recurring rate is billed monthly in advance.
- Usage Charges: Usage charges for the expanded local calling area in North Carolina are billed in arrears and may be subject to time of day and holiday discounts.

3. Installation Intervals - Normal installation intervals apply for this service.

4. Service Inquiry and Ordering Guidelines - Orders for this service/product should be submitted to the LCSC via Fax or Electronic Data Interchange (EDI)

5. Customer Education (CLEC & End User) - None required for this service.

CLEC INFORMATIONAL PACKAGE
Residence
Message/Measured Service

I. Service Description

A. Basic Service Features
Measured/Message Rate service is the monthly service that is provided to residence customers and includes a usage component. Measured service includes local calling in their defined local exchange area that is priced based on amount of outbound calling. Message Rate service typically includes a per message rate above a specified monthly number of messages. Refer to Attachment A for a brief description of the active plans in the appropriate state.

B. Basic Service Capabilities
Measured/Message Rate service provides dial tone access for both local and long distance calling and is an alternative to flat rate service.

2. Tariff References/Price List References

A. Tariff Reference
The location of the various Measured/Message Rate service in the General Subscriber Service Tariff (GSST) varies by plan and, in some cases, by state. Refer to Attachment A for a listing of the plans and the tariff reference for each.

B. Pricing Structure and Description
Pricing structures are plan specific and could one or more of the following:
- Non-recurring charge (NRC): Service charges specified in Section A4 of the GSST may be applicable.
- Recurring Charge: A flat recurring monthly amount may be billed monthly in advance.
- Usage Charges: Usage charges may apply. These charges are billed in arrears and may be subject time of day and holiday discounts.

Refer to Attachment A, attached, for plan specific information.

3. Installation Intervals - Normal installation intervals apply for these services.

4. Service Inquiry and Ordering Guidelines - Orders for this product/service should be submitted via FAX or Electronic Data Interface (EDI) process.

5. Customer Education (OLEC & End User) - None required for this service.

MESSAGE/MEASURED RATE SERVICE
CLEC INFORMATIONAL PACKAGE
Attachment A

State	Plan	Tariff Location	Plan Description
Alabama			NA
Florida	Message Rate	A3	Message Rate service applies to the basic local calling area. Subscribers are charged $ .25 per call after a 30 message monthly call allowance per line.
	Optional Measured Service - Local	A3	This plan provides for Local Measured service in the basic local calling area. The monthly recurring rates contains an allowance of $3.00 per line. The local calling area is divided into 2 or 3 bands and is offered in the Cocoa, Cocoa Beach, Eau Gallie, Melbourne and Titusville exchanges only.
Georgia	Georgia Community Calling (GCC)	A3	SEE OPTIONAL CALLING PLANS
Kentucky			NA
Louisiana			NA
Mississippi			NA
North Carolina			NA
South Carolina			NA
Tennessee	Measured Rate	A3	Provides measured local calling in the basic local calling area. There is a usage allowance, and there is no cap.
	Message Rate	A3	Provides message rate local calling in the basic local calling area. There is a usage allowance and there is no cap. Usage is priced on a per call basis at $.10 per call.

Note: Grandfathered plans are not included in this attachment.

MEGALINK® CHANNEL SERVICE

MegaLink® Channel Service
CLEC Information Package

Service Description

MegaLink Channel Service provides channelization for individual Voice Grade/DS0 channels that a customer desires transported via a high capacity 1.544 Mbps channel. With this service, the customer, in essence, "leases" D4 channel bank capacity from BellSouth in the central office. MegaLink Channel Service (MLCS) is an intraLATA digital service designed to accommodate large customers with concentrations of channel services between a customer's premises and the BellSouth central office or between central offices.

MLCS is provided in conjunction with the high capacity 1.544 Mbps digital channels of MegaLink service with channelization in at least one central office required. MegaLink Channel Service provides the benefit of all digital transport but can receive or deliver signals in analog or digital form to meet customer applications.

Link Connectivity

MegaLink Channel Service represents a significant expansion of the concept of "link" (or partial channel) services to the general product line of private line and switched services. In other words, individual channel services can connect to MLCS on a "link" basis rather than the traditional, existing 2-point or multipoint basis.

MegaLink Channel Service is provided in packages based on multiple voice grade channel equivalents (DS0) where 24 voice grade channels are equal to a DS1.

Characteristics

MegaLink Channel Service may be characterized by:

- Normal analog channel network interface specifications will be superseded by the electrical specifications of the 1.544 Mbps (DS1) channel which is actually terminated.

- Channel Service Units (CSUs) are the responsibility of the customer.

- Each DS0 channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog services.

- MLCS uses D4 channel banks or compatible equipment to perform the channelization function.

- MLCS delivers the transmission to the customer's premises at the DS1 rate. It is the customers responsibility to channelize at their premises. Exchange network access, OPXs, Tie-Lines and data services at 2.4, 4.8, 9.6, 19.2, 56 and 64 Kbps are available on MLCS.

- Requires Line Code and Framing Format to be specified by the customer.

- Any SynchroNet® circuit terminating in MegaLink Channel Service must also terminate in a SynchroNet node. There will be a node termination charge for the Local Channel riding the MegaLink® and for the other Local Channel provisioned.

- Automatic Protection Switching (APS) for a DS1 interface provides automatic DS1 channel switching to a backup DS1 channel should the primary DS1 fail. This feature requires purchase of an additional MegaLink service channel for each backup channel required. Rates, charges and availability must be negotiated on an individual case basis. This feature may not be available for DS1s using Clear Channel line code (B8ZS).

The MegaLink components provided by BellSouth are listed below:

- Digital local channel (in 1/2 mile increments - rounded to the next 1/2 mile)
- Flat Rate local channel
- Interoffice channels (where applicable)
  - in three mileage band options (0-8, 9-25 or over 25 miles)
    - fixed and
    - per airline mile or fraction thereof (rounded up to full miles)

- Clear Channel Capability (per MegaLink; charged only on subsequent orders)
  - Superframe format (SF)
  - Extended Superframe (ESF)

NOTE: In most cases, clear channel capability can be optioned on a MegaLink at initial installation for no additional charge. However, if an existing MegaLink needs to be changed to SF or ESF, a one time charge will apply to cover the cost of the conversion translations.

In addition to the above components, MegaLink carries with it its own:

- Service Establishment Charge,
- Service Charge, and,
- Premises Visit Charge.

For the Channelized portion:

- Basic system capacity, of 24 voice channels to 672 voice channels
- Feature activations
    - Analog voice service, per channel/feature activated for FX, FCO, OPX, WATS, trunk, DID, ESSX Station line, MultiServ station line, voice PL or tie-line
    - Analog data service, per channel/feature activated
    - Digital data service, per channel/feature activated for 2.4, 4.8, 9.6, 19.2, 56 or 64 Kbps data rates
    - Broadband Exchange Line FA

- Rate elements from other tariff sections for the DS0 services riding the MegaLink.
- Line coding and Framing Formats Specific to the 1.544 Mbps transport
    - AMI & D4 - SF
    - AMI & ESF
    - Clear Channel Capability (B8ZS) & D4 - SF
    - Clear Channel Capability (B8ZS) & ESF

The MegaLink components provided by the customer are listed below:

Channel Service Unit (CSU):

At the customer location, a CSU provides these basic functions:

- Incoming signal regeneration
- Bipolar violation monitoring and removal
- Ones density monitoring and correction
- Keep alive signal generation
- Loopback, testing and diagnostic access

Network Interface

A network interface is required at the customer's premises to interface the MegaLink local channel with the customer's Network Channel Terminating